



**DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY
AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)**

**MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION**
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/pera/

R.C. Aluminum Industries, Inc.
2805 NW 75th Avenue
Miami, FL 33122

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "HR100" Aluminum Horizontal Sliding Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. **W04-36**, titled "HR100 Alum: Horiz. Sliding Wdw. (L.M.I.)", sheets 1 through 9 of 9, dated 05/04/04 with revision F dated 10/21/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA # 10-0426.10 and consists of this page 1, Evidence pages E-1, E-2, E-3, and Green Sustainable Attributes page G-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 11-0922.05
Expiration Date: August 05, 2014
Approval Date: October 27, 2011
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **W04-36**, Sheets 1 through 9 of 9, titled "HR100 Alum. Horiz. Sliding Wdw. (L.M.I.)", dated 05/04/04 with revision F dated 10/21/11, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmed, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6440**, dated 02/25/11, signed and sealed by Marlin D. Brinson, P.E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Kinetic Energy Drop Load Test (400 Ft. Lb.), per ANSI Z97.1
along with marked-up drawings and installation diagram of an aluminum horizontal sliding window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-6078**, dated 12/05/09, signed and sealed by Julio E. Gonzalez, P.E.
(Submitted under previous NOA #10-0426.10)
3. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1881**, dated 03/19/04, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)
4. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1, and TAS 202-94
along with marked-up drawings and installation diagram of aluminum sliding window, window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1362**, dated 12/11/03, signed and sealed by Rafael E. Droz-Seda, P.E.
(Submitted under previous NOA #06-1130.02)


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0922.10

Expiration Date: August 05, 2014
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B. TESTS (CONTINUED)

5. Test reports on: 1) Large Missile Impact Test per FBC, TAS 201-94
2) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of an aluminum sliding window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1880**, dated 12/12/03, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under previous NOA #06-1130.02)*
6. Tensile Test prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-04-T119**, dated 04/23/04, tested per ASTM-E 8-01e1, signed and sealed by Rafael E. Droz-Seda, P.E. *(Submitted under previous NOA #06-1130.02)*

C. CALCULATIONS:

1. Anchor verification calculations and structural analysis, complying with FBC-2007 and FBC-2010, prepared by Al-Farooq Corporation, dated 06/21/11 and 10/20/11, signed and sealed by Javad Ahmad, P.E.
2. Glazing complies with ASTM E1300-04.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

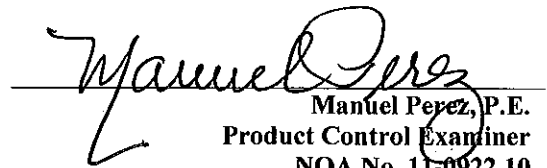
1. Notice of Acceptance No. **10-0413.04** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Sentry Glass® Interlayer**" dated 05/26/10, expiring on 01/14/12.
2. Notice of Acceptance No. **10-0922.09** issued to **E.I. DuPont DeNemours & Co., Inc.** for their "**DuPont Butacite® PVB, Interlayer**" dated 12/24/10, expiring on 12/11/11.

F. STATEMENTS

1. Statement letter of conformance with the FBC-2007 and FBC-2010, and no financial interest, dated October 20, 2011, signed and sealed by Javad Ahmad, P.E.
2. Proposal # **08-1635** issued by BCCO to R.C. Aluminum Industries, Inc., dated 11/24/08, signed by Renzo Narciso, Engineer 1, Product Control Division.

G. OTHER

1. Notice of Acceptance No. **10-0426.10**, issued to R.C. Aluminum Industries, Inc. for their Series "HR100" Aluminum Horizontal Sliding Window – L.M.I., approved on 08/04/10 and expiring on 08/05/14.


Manuel Perez, P.E.
Product Control Examiner
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2. Simulation Performance, Solar Heat Gain Coefficient, Visible Transmittance, & Condensation Resistance Calculation Report on:
 - 1) **NFRC 100-2004** "Procedure for Determining Fenestration Product U-Factors"
 - 2) **NFRC 200-2004** "Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence".
 - 3) **NFRC 500-2004** "Procedure for Determining Fenestration Product Condensation Resistance Values"Using computer simulation in accordance with NFRC: Frame and Edge Modeling: THERM 5.x, / WINDOW 5.x NFRC Simulation Manual (Approved at test date), of a RC Aluminum's "HR100" Horizontal Slider, along with attached drawings and bill of materials included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12455.01**, pages 1 through 7 of 7, dated 11/16/09, signed by Richard A. McVicker III, Simulator, and Steven H. Coble, NFRC Accredited Simulator, Simulator-In-Responsible-Charge.
3. NFRC 102-2004 Thermal Performance Test Report on:
 - 1) **NFRC 102-2004** "Test Procedure for Measuring the Steady State Thermal Transmittance of Fenestration Systems"Test report of a series RC Aluminum's Series "HR100" Type XO Horizontal Sliding Aluminum Prime Window with Low E and Argon, along with submittal component drawings, with applicable part numbers, manufacturing and modeling details included in Appendix A, marked-up by National Certified Testing Laboratories, Test Report No. **NCTL-110-12456-1**, pages 1 through 4 of 4, dated 11/20/09, signed by Christian J. Mitchell, Technician, and Robert H. Zeiders, P.E., Vice-President Engineering & Quality Person-In-Responsible Charge.
4. Recycled Content Determination Report on:

Name: Horizontal Roller Window, HR100

Raw Material: Aluminum

Including letter from **Fundiciones Industriales S.A. (FISA)** dated March 22, 2010, certifying that the extruded aluminum products contained 30% recycled scrap material, signed by Henry Kronfle, Vice-President.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 11-0922.10

Expiration Date: August 05, 2014
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NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED**GREEN SUSTAINABLE ATTRIBUTES (GSA)**

SCOPE: This document is solely for the purpose of verification of Sustainable Attributes of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division.


G.4 - RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL				
Component Name	% Recycled Content at Manuf.	% Recycled at Disposal	% Bio-based Material	% Renewable Material
1. Window Aluminum	30%	100%	N/A	N/A

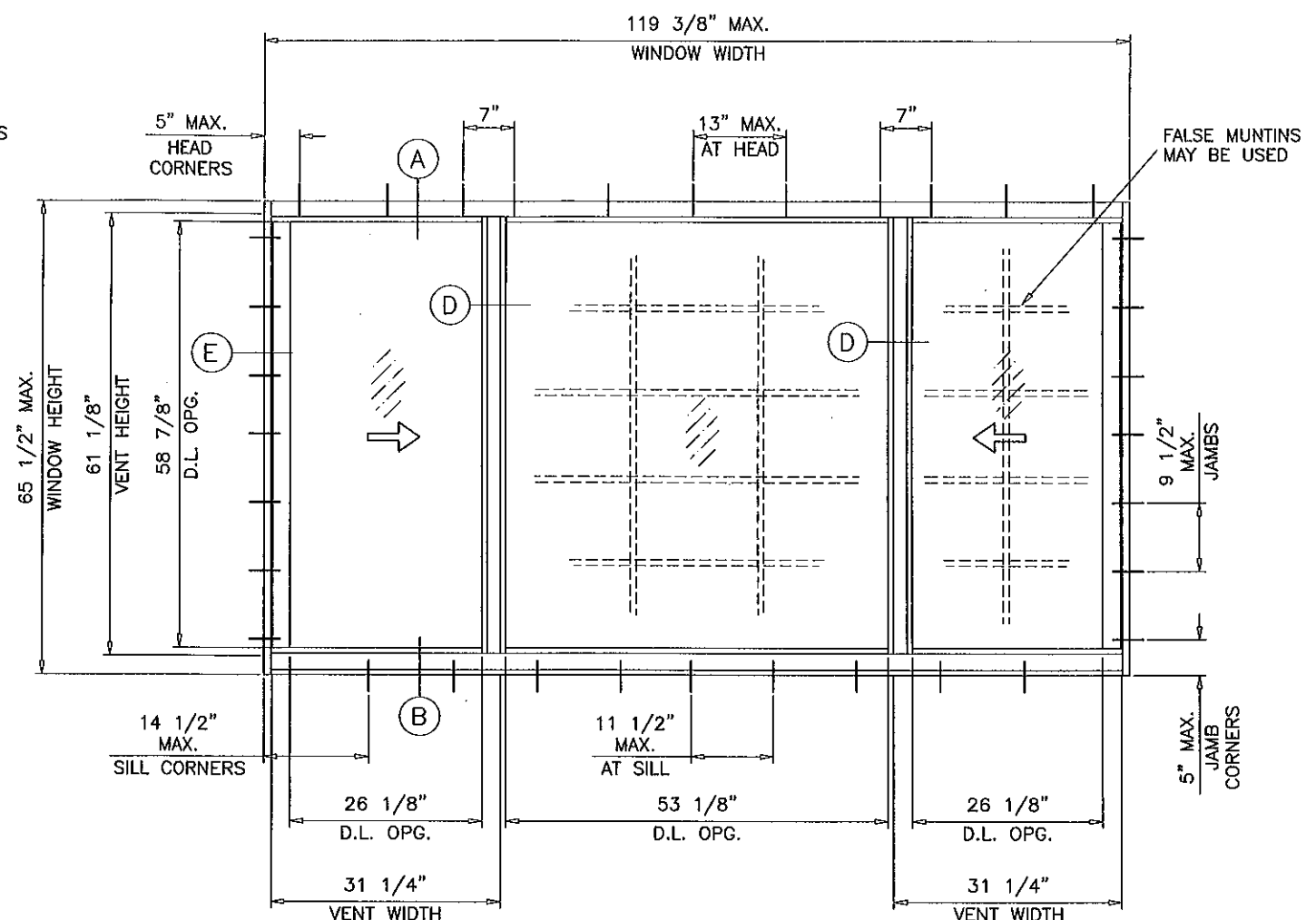
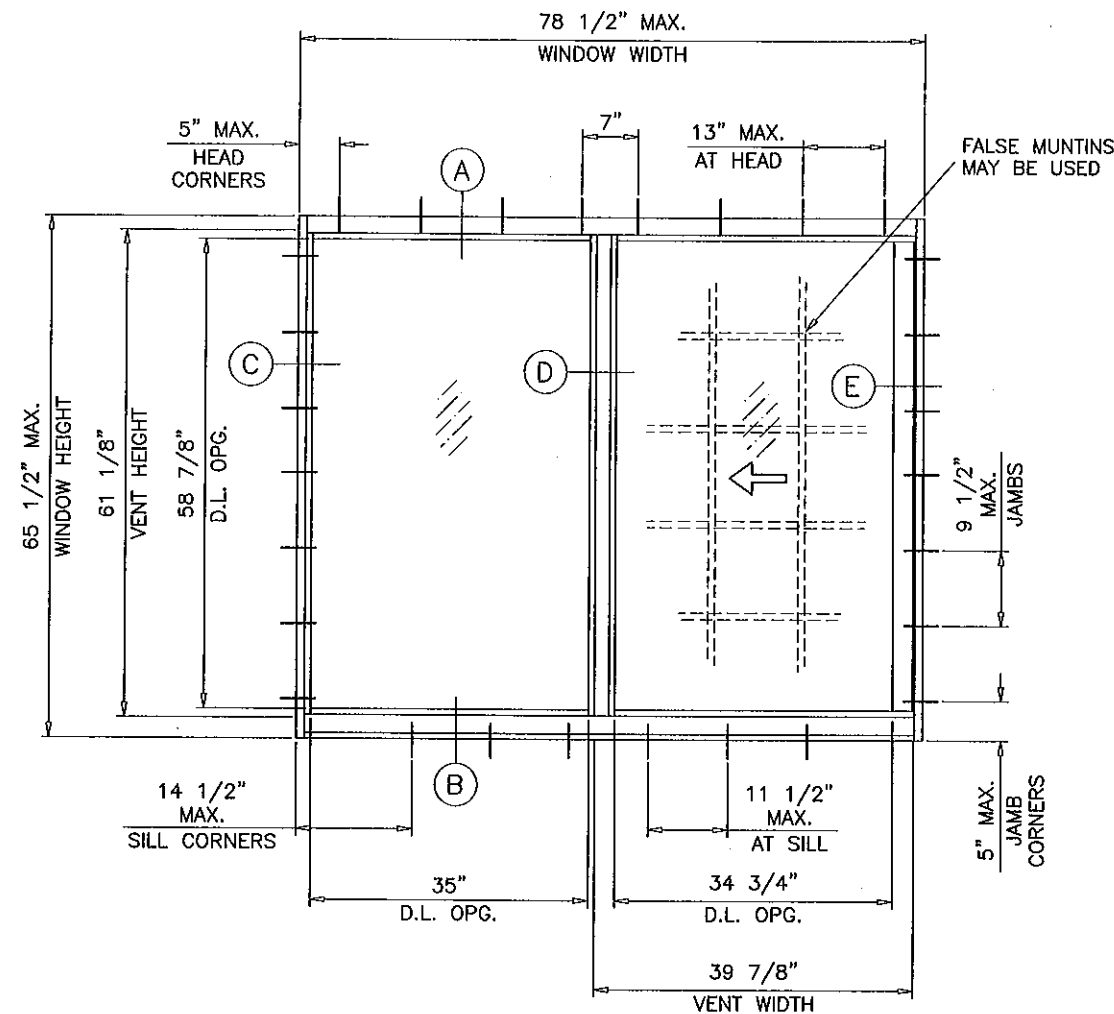
G.8 - U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT²-°F							
G.9 - SHGC FACTOR (SOLAR HEAT GAIN COEFFICIENT) BTU/HR-FT²							
VT - VISIBLE LIGHT TRANSMITTANCE AT NORMAL INCIDENCE							
CR - CONDENSATION RESISTANCE							
ID#	Test Report#:	Product Number	Glazing Components:	G.8: U-Factor	G.9: SHGC	VT	CR
	Base line Product	000	5/32 CLR_240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.65	0.20	0.21	15
1.	NCTL 110-12456-1	001	5/32 CLR_240#2-SS-D_ARG_BRZ-1/8_090 PVB_1/8	0.65	0.20	0.21	15
2.		002	5/32 CLR_240#2-SS-D_ARG_CLR-1/8_090 PVB_1/8	0.65	0.21	0.28	15
3.		003	5/32 CLR_240#2-SS-D_ARG_GRN-1/8_090 PVB_1/8	0.65	0.20	0.19	15
4.		004	5/32 CLR_240#2-SS-D_ARG_GRY-1/8_090 PVB_1/8	0.65	0.26	0.26	15

Legend	
Abreviation:	Description:
SS-D	Desiccant-Filled Stainless Steel Spacer
240#2	Cardinal Low E 240 @ #2 Surface Typical
ARG	90% Argon
PVB	.090" Poly Vinyl Butyral (PVB) interlayer
CLR	Clear Glass
BRZ	Bronze Tint Glass
GRN	Green Tint Glass
GRY	Gray Tint Glass

G.10 - C-FACTOR (THERMAL CONDUCTANCE) BTU/HR-FT²-°F	
Component Name	C-Value
1. Whole Window	1.53

G.


 Manuel Perez, P.E.
 Product Control Examiner
 NOA No. 11-0922.10
 Expiration Date: August 05, 2014
 Approval Date: October 27, 2011



TYPICAL ELEVATIONS

FLANGE FRAME WINDOWS

HR100 ALUM HORIZ. SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF H.R./H.R. OR HORIZONTAL ROLLING WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2010 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2010 FLORIDA BLDG. CODE SECTION 2003.8.4.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

OCT 20 2011

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0922-05
Expiration Date Aug 5, 2014
By *Manuel Perez*
Miami Dade Product Control

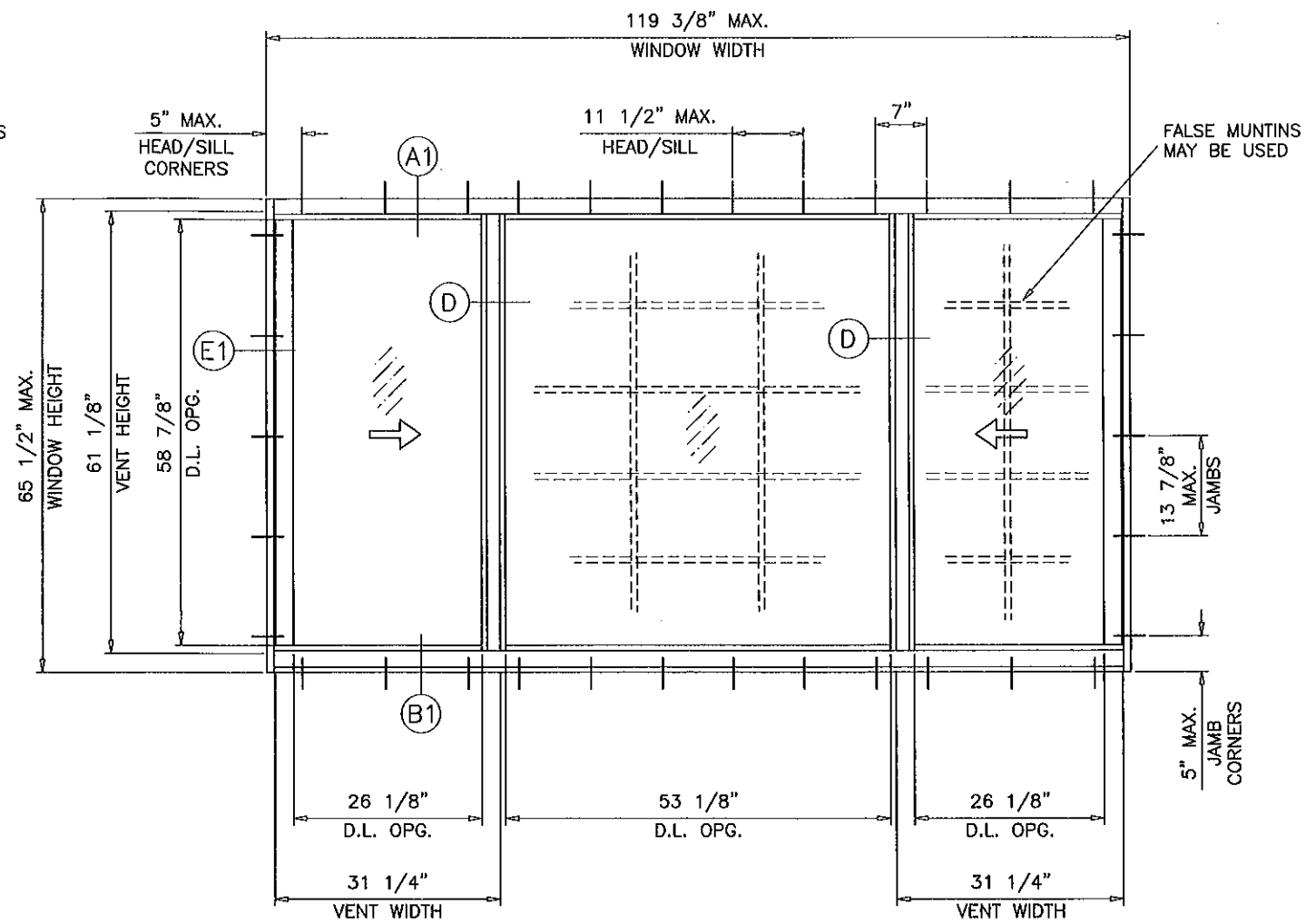
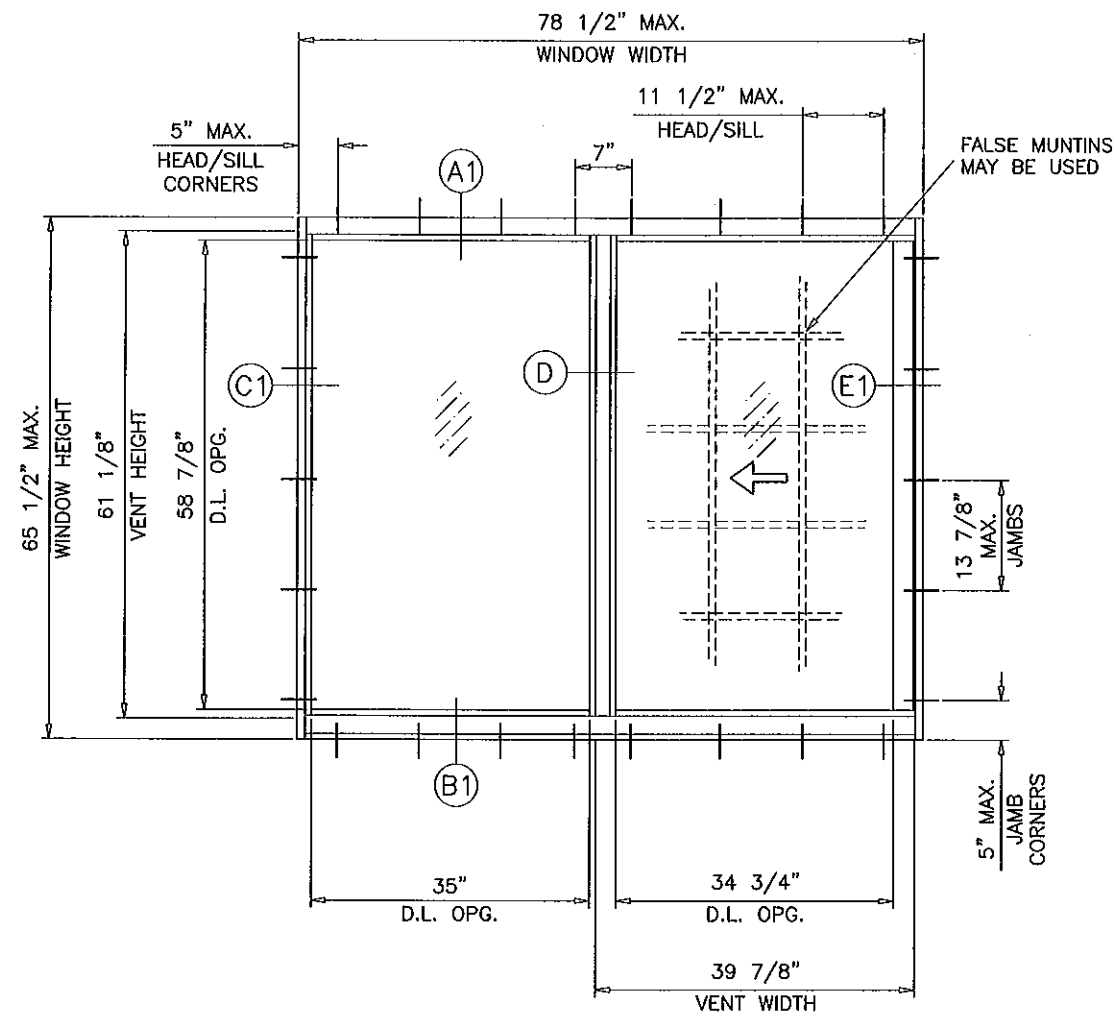
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-36RC

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:	no.	date	by	description
	B	09.19.08		UPDATED FOR 2007 FBC
	C	03.16.10		GENERAL REVISION
	D	07.08.10		NO CHANGE THIS SHEET
	E	06.29.11		GENERAL REVISION
	F	10.21.11		UPDATED TO 2010 FBC

date: 05-04-04
scale: 1/2"=1'-0"
dr. by: HAMID
chk. by:
drawing no.
W04-36
sheet 1 of 9



TYPICAL ELEVATIONS

FLUSH FRAME WINDOWS

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
OCT 20 2011

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0922.05
Expiration Date AUG 5, 2014
By *Mouner Pera*
Miami Dade Product Control

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL. (305) 592-1515 FAX. (305) 592-2184

revisions:		
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drawing no.
W04-36
sheet 2 of 9

af c
AL-FAROOQ CORPORATION
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TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W04-36RC

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	RS100-001A	1	FRAME HEAD	6063-T6	-
2	RS100-002	1	FRAME SILL	6063-T6	-
3	RS100-007B	1	FRAME JAMB VENT	6063-T6	-
4	RS100-008	1	FRAME JAMB FIXED	6063-T6	-
5	RS100-004	1/ VENT	FIXED RAIL	6063-T6	-
6	RS100-003	1/ VENT	VENT MEETING RAIL	6063-T6	-
7	RS100-009	2/ VENT	TOP AND BOTTOM RAIL	6063-T6	-
8	RS100-006	1/ VENT	JAMB STILE	6063-T6	-
9	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
10	RS100-005	1	SLIDE ANCHOR CLIP	6063-T6	1" LONG
11	-	1	ANCHOR CHANNEL	6063-T6	-
12	-	-	-	-	-
13	W3123INK	4	WEATHER STRIPPING PILE (VENT)	-	-
14	W3123INK	1	WEATHER STRIPPING PILE (MEETING RAIL)	-	-
15	Q-LON	1	Q-375 X 190 WHITE	-	-
16	V-033	1	WEATHER STRIPPING GASKET	NEOPRENE	-
17	P-049	AS REQD.	GLAZING INSERT	PVC	-
18	V-055	1	VINYL LAM. INSUL. GLASS	PVC	-
19	P-035B	2/ VENT	HANDICAP FINGER LOCK	RIGID VINYL	6" FROM EACH END
20	-	-	-	-	-
21	RS100-MI	2/ VENT	KNURLE AXLE PIN	ST./ST.	-
22	P-016	2/ VENT	WHEEL RETAINER HOUSING	NYLON	-
23	RD 1906	2/VENT	WHEEL	NYLON	-
24	-	-	-	-	-
25	#10 X 1"	AS REQD.	FRAME ASSY. SCREWS	ST. STEEL	PH SMS
26	#10 X 3/4"	AS REQD.	VENT ASSY. SCREWS	ST. STEEL	HH SMS
27	#10 X 1-1/2"	2	SLIDE CLIP FASTENERS	ST./ST.	PH. P.H.
28	#12 X 3/4"	1	SLIDE CLIP FASTENER	ST./ST.	FH S.M.S.
29	RS100-029	AS REQD.	FLUSH ADAPTER HEAD	6063-T6	-
30	RS100-019	AS REQD.	FLUSH ADAPTER SILL	6063-T6	-
31	RS100-028	AS REQD.	FLUSH ADAPTER JAMB	6063-T6	-
32	500Y-010	AS REQD.	SNAP COVER	6063-T6	-

SEALANT:
ALL FRAME AND VENT CORNERS AND INSTALLATION SCREWS SEALED WITH SILICONE.

NOTE:
IN ORDER TO QUALIFY FOR SMALL MISSILE IMPACT RATING EXTERIOR PLY OF GLASS TYPES 'A1' & 'B1' MUST BE TEMPERED.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 11-0922.05
Expiration Date Aug 5, 2014

By *Mamuel Perez*
Miami Trade Product Control

date: 05-04-04

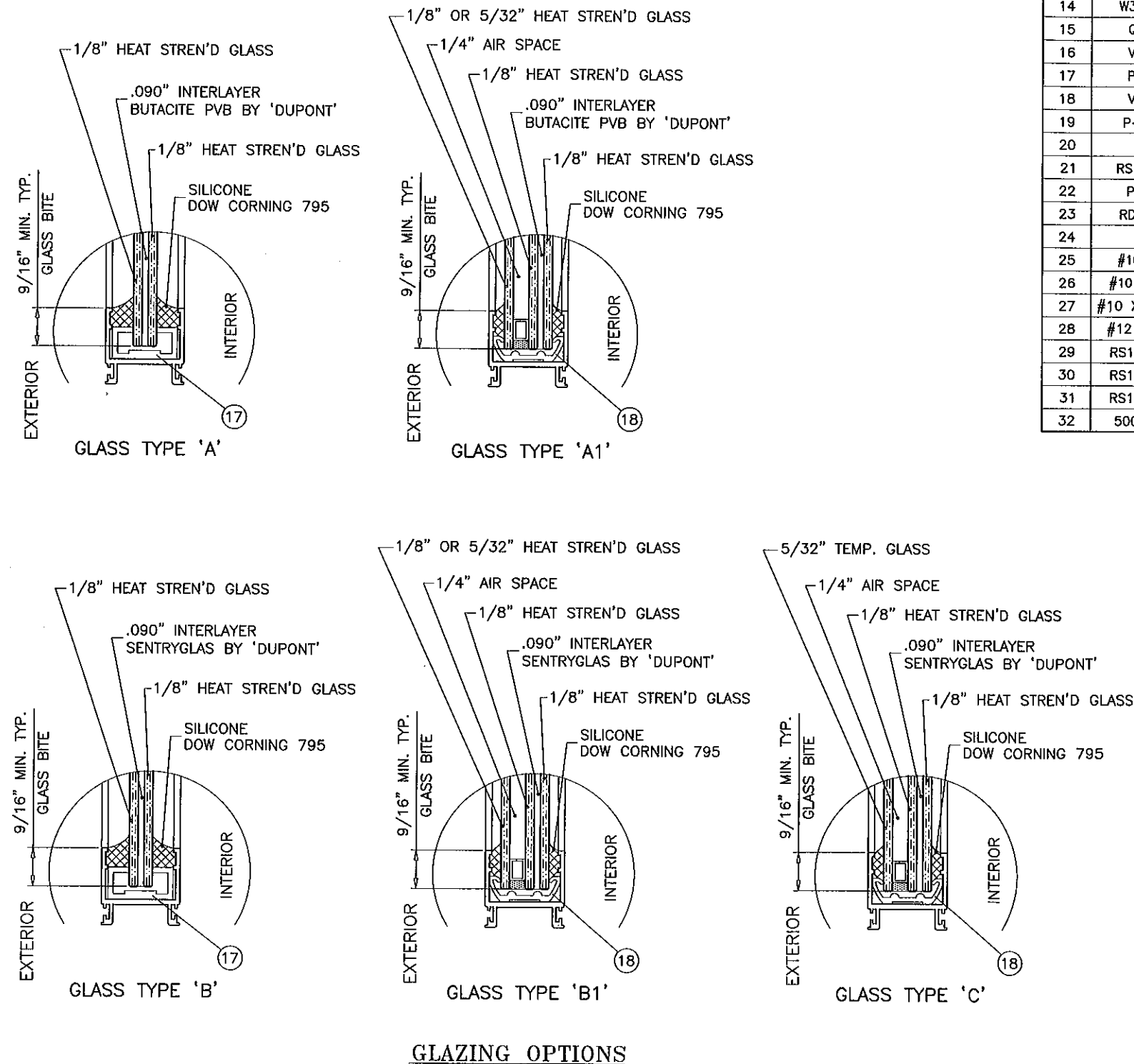
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dr. by: HAMID

chk. by:

drawing no.
W04-36

sheet 3 of 9



GLAZING OPTIONS

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
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TEL. (305) 264-8400 FAX. (305) 262-6978
COMP-ANL\W04-36RC

HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
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revisions:	no	date	by	description
	C	03.16.10		GENERAL REVISION
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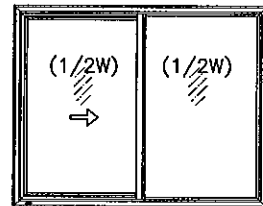
dr. by: HAMID

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sheet 3 of 9

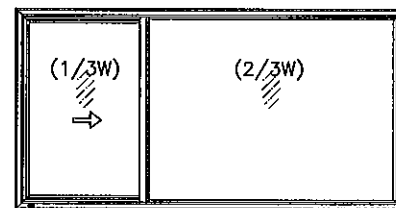
DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		GLASS TYPES A, A1, B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
26-1/2"	26"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	38-3/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	50-5/8"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
26-1/2"	63"	80.0	80.0
37"		80.0	80.0
53-1/8"		80.0	80.0
24"	24"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	36"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	48"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	60"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0
24"	65-1/2"	80.0	80.0
36"		80.0	80.0
48"		80.0	80.0
60"		80.0	80.0
72"		80.0	80.0
78-1/2"		80.0	80.0



OPERATING VENTS TO BE 1/2 OF THE WINDOW WIDTH

'XO OR OX'

DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)			
WINDOW DIMS.		GLASS TYPES B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
55-1/2"	26"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"		80.0	80.0
79-11/16"	38-3/8"	80.0	80.0
55-1/2"		80.0	80.0
79-11/16"		80.0	80.0
55-1/2"	50-5/8"	80.0	80.0
79-11/16"		80.0	80.0
55-1/2"		80.0	80.0
79-11/16"	63"	80.0	80.0
55-1/2"		80.0	80.0
79-11/16"		80.0	80.0
63"	36"	80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"		80.0	80.0
85-1/2"	48"	80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"		80.0	80.0
81"	60"	80.0	80.0
85-1/2"		80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0
72"		80.0	80.0
76-1/2"	65-1/2"	80.0	80.0
81"		80.0	80.0
85-1/2"		80.0	80.0
63"		80.0	80.0
67-1/2"		80.0	80.0

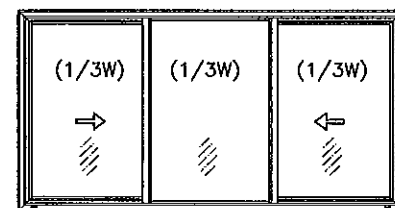


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XO OR OX'

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-04 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		GLASS TYPES A, A1, B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	38-3/8"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	63"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"	48"	80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"	60"	80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"	65-1/2"	80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
119-1/4"		80.0	80.0

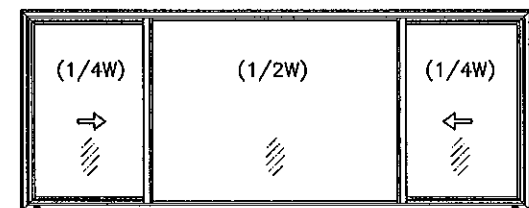


OPERATING VENTS TO BE 1/3 OF THE WINDOW WIDTH

'XOX'

FLANGE & FLUSH FRAME WINDOWS

DESIGN LOAD CAPACITY - PSF (XOX SIZES)			
WINDOW DIMS.		GLASS TYPES B, B1 & C	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
74"	26"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	38-3/8"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
74"	50-5/8"	80.0	80.0
106-1/4"		80.0	80.0
74"		80.0	80.0
106-1/4"	63"	80.0	80.0
74"		80.0	80.0
106-1/4"		80.0	80.0
84"	36"	80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"	48"	80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"		80.0	80.0
96"		80.0	80.0
102"	60"	80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
120"		80.0	80.0
84"		80.0	80.0
90"	65-1/2"	80.0	80.0
96"		80.0	80.0
102"		80.0	80.0
108"		80.0	80.0
114"		80.0	80.0
119-1/4"		80.0	80.0



OPERATING VENTS TO BE 1/4 OF THE WINDOW WIDTH

'XOX'

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

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Acceptance No 11-0922.05
Expiration Date Aug 5, 2014

By *[Signature]*
Miami Dade Product Control

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
1235 S.W. 87 AVE
MIAMI, FLORIDA 33174
TEL (305) 264-8100 FAX (305) 262-6978
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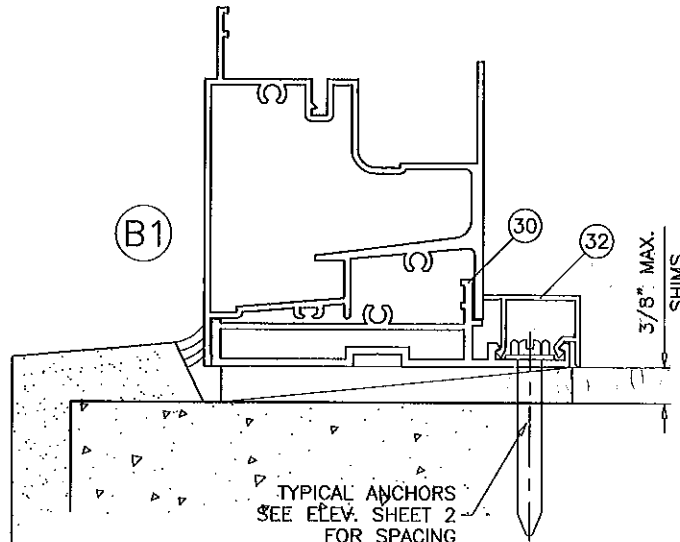
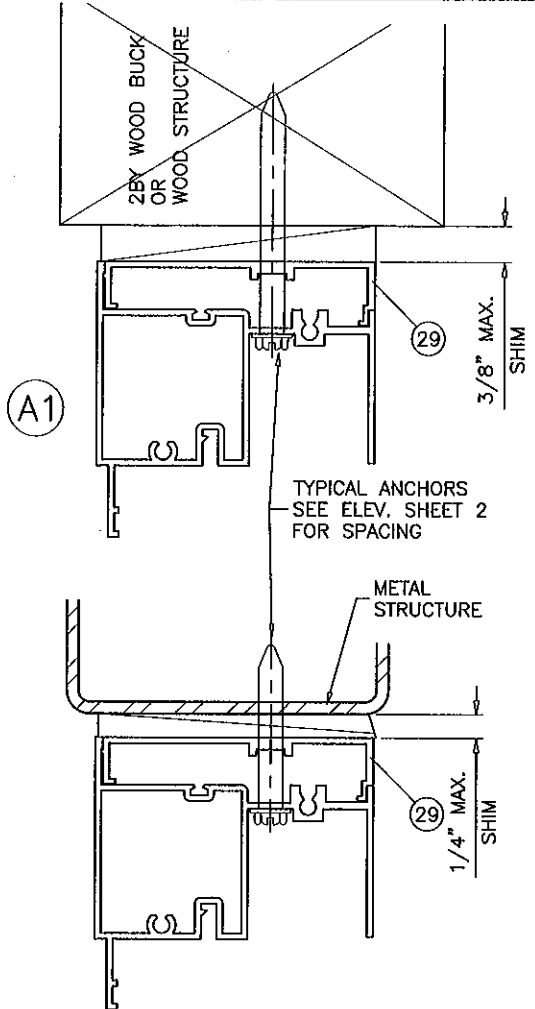
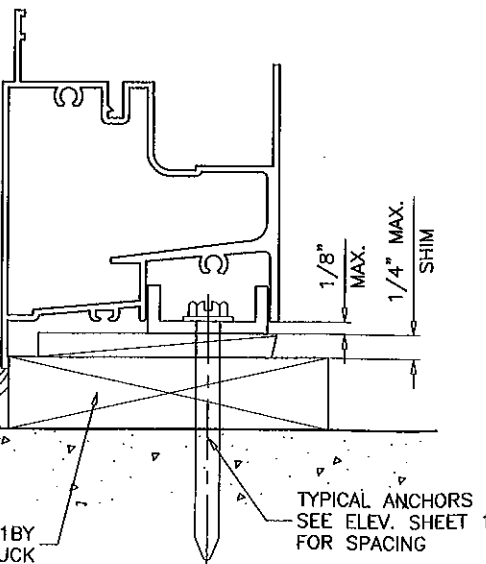
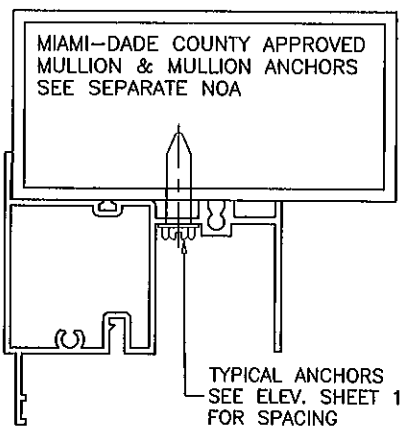
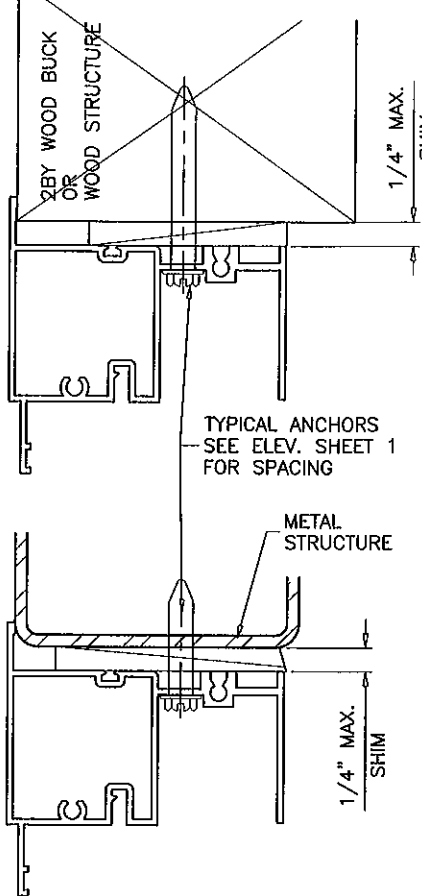
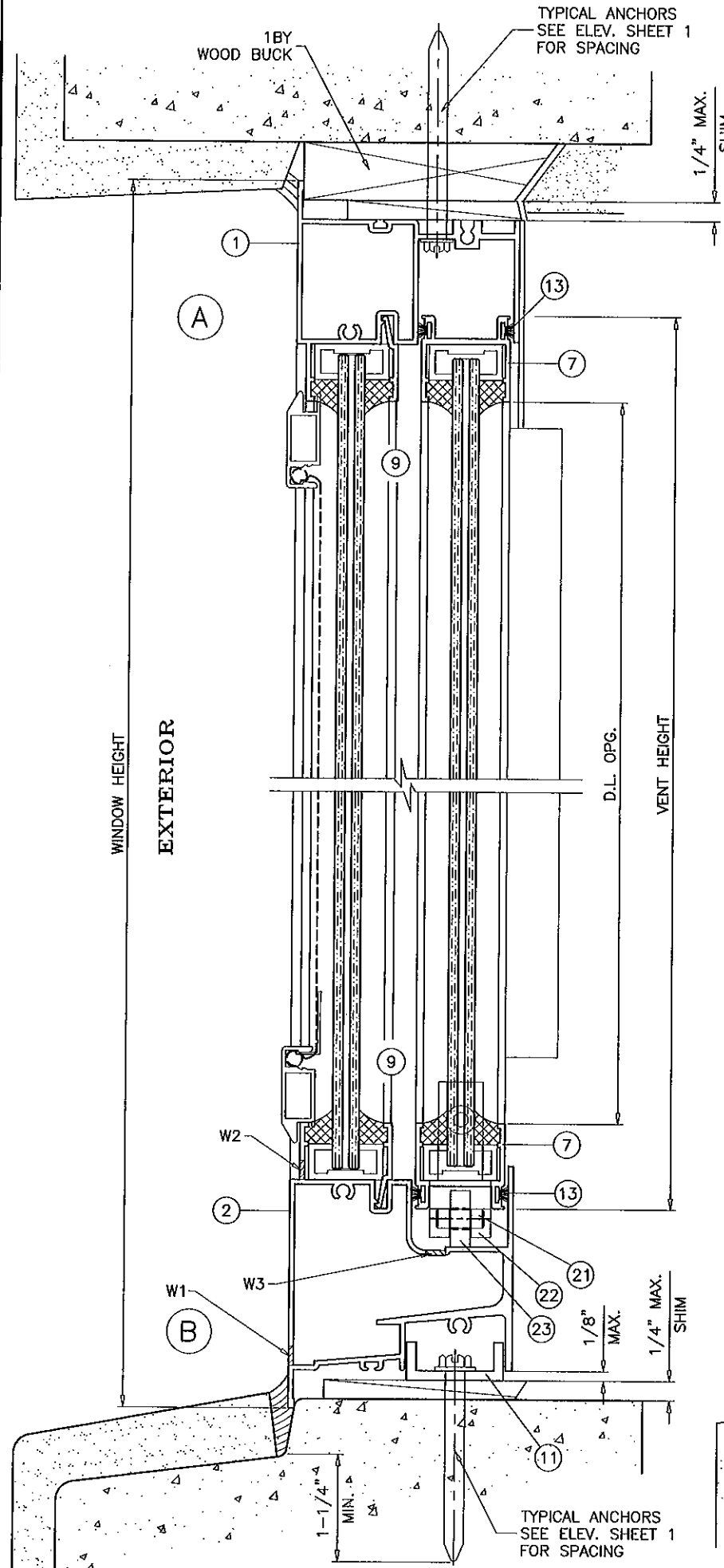
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
TEL (305) 592-1515 FAX (305) 592-2184

no	date	by	description
C	03.16.10		GENERAL REVISION
D	07.08.10		REV. PER BCCO COMMENTS
E	06.29.11		GENERAL REVISION
F	10.21.11		NO CHANGE THIS SHEET

date: 05-04-04
scale: -
dr. by: HAMID
chk. by:

drawing no.
W04-36

sheet 4 of 9



WEEPHOLES:

- W1 = 3/16" X 1" WEEP HOLES WITH PLASTIC BAFFLE
(2) AT VENT LOCATION AT 5" FROM VENT ENDS
(1) AT CENTER OF FIXED LITE
- W2 = 3/16" X 1" WEEP HOLES
(2) AT SCREEN LOCATION AT 2-1/2" FROM SCREEN ENDS
- W3 = (4) 3/16" X 1" WEEP HOLES AT VENTS
AT 2" FROM VENT ENDS AND 19" O.C. MAX.

PRODUCT REVISED
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By Manuel Perez
Miami Dade Product Control

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

Oct 20 2011

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HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
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scale:	1/2" = 1"
dr. by:	HAMID
chk. by:	

drawing no.	W04-36
sheet	5 of 9

WOOD BUCKS AND METAL STRUCTURE NOT BY RC ALUMINUM
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. KWIK-CON II BY 'HILTI' (Fu=163 KSI, Fy=157 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-3/8" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/2" MIN. EMBED INTO CONC. OR MASONRY

#14 SELF DRILLING SCREWS (GRADE 5 CRS)

INTO MIAMI-DADE COUNTY APPR'D MULLIONS (.090" THK. MIN.)

INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

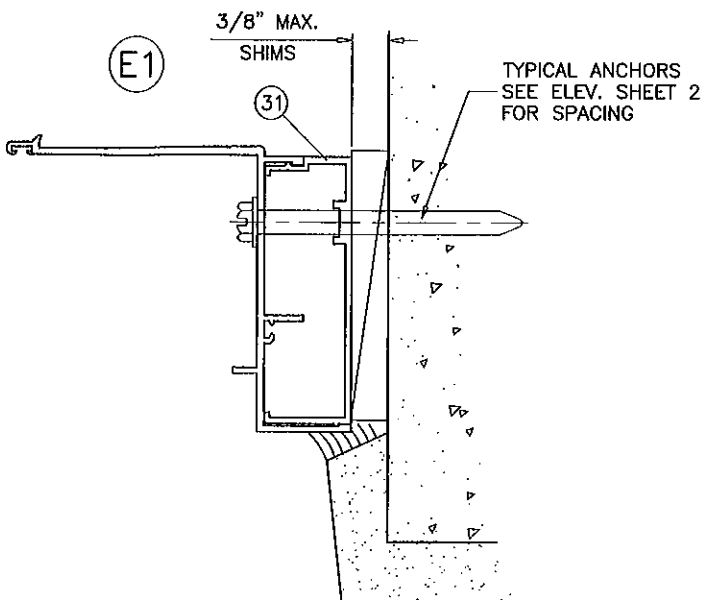
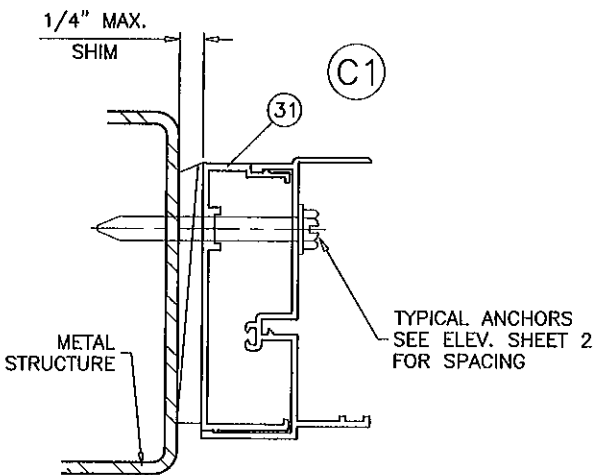
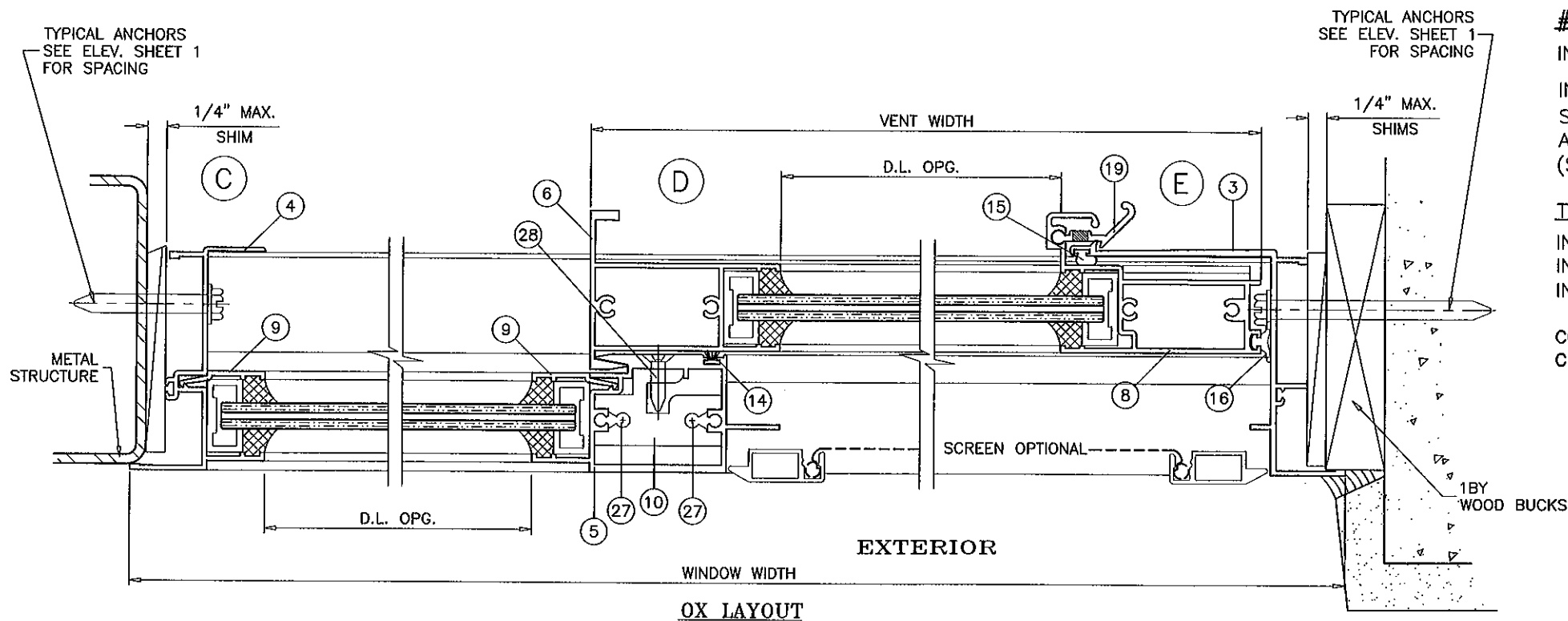
INTO CONCRETE AND MASONRY = 1-3/4" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE AT HEAD, SILL OR JAMBS f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.



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By *Maurice*
Miami Dade Product Control

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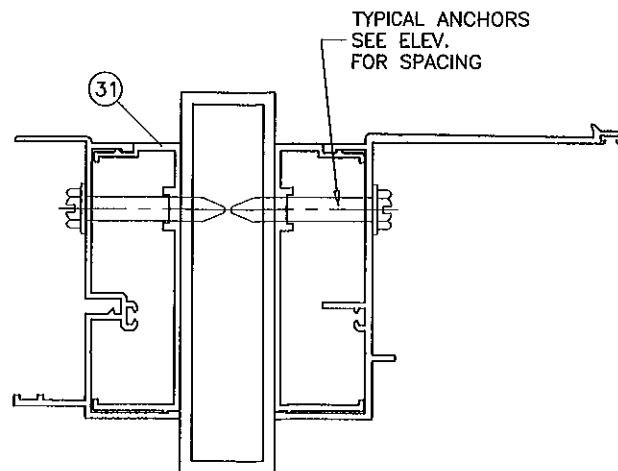
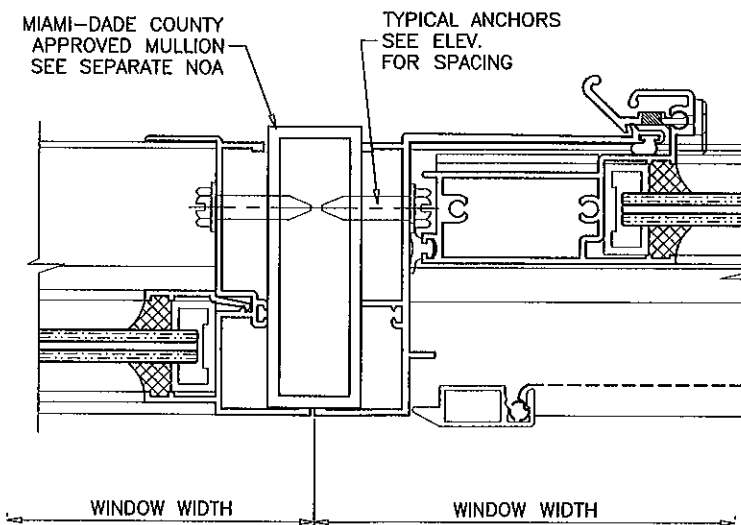
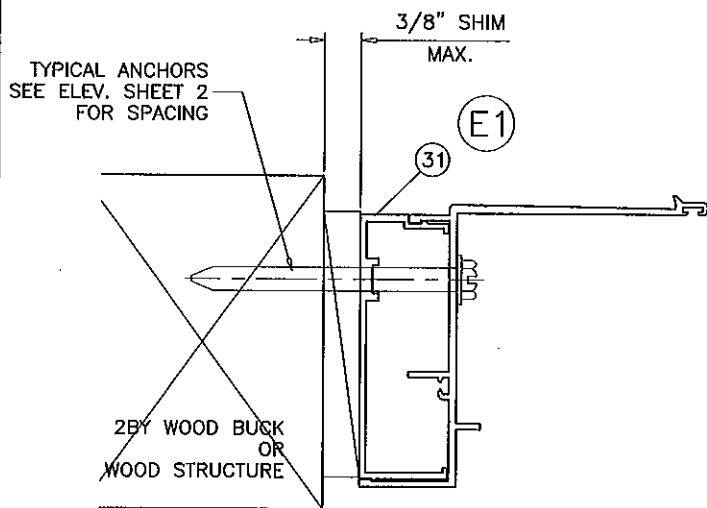
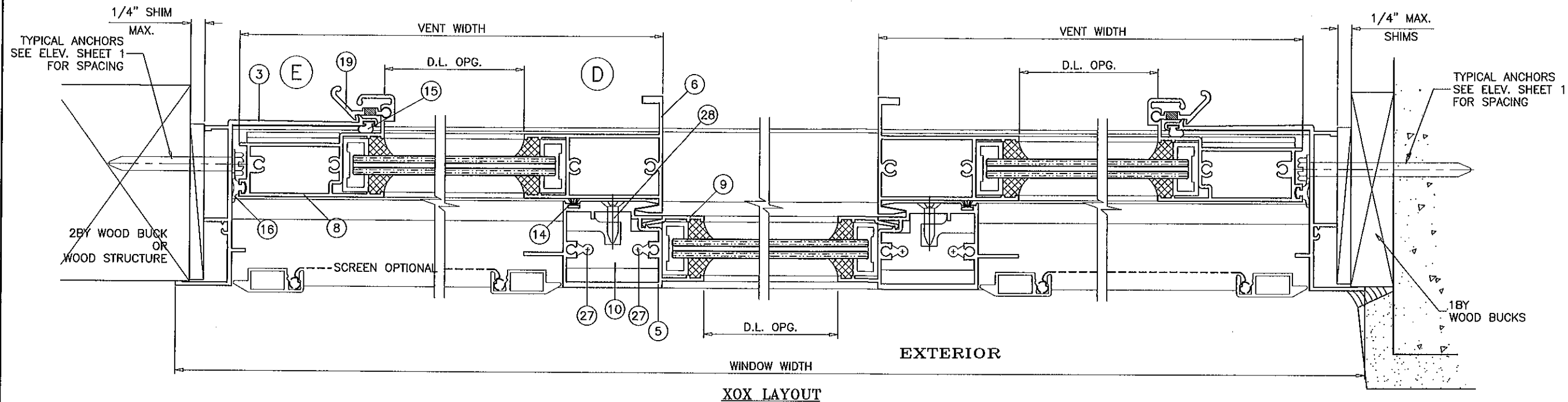
HR100 ALUM HORIZ. SLIDING WDW. (L.M.I.)
R.C. ALUMINUM INDUSTRIES INC.
2805 N.W. 75 TH AVE.
MIAMI, FL. 33122
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no	date	by	description
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F	10.21.11		NO CHANGE THIS SHEET

date: 05-04-04
scale: 1/2" = 1"
dr. by: HAMID
chk. by:


drawing no.
W04-36

sheet 6 of 9



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
OCT 20 2011

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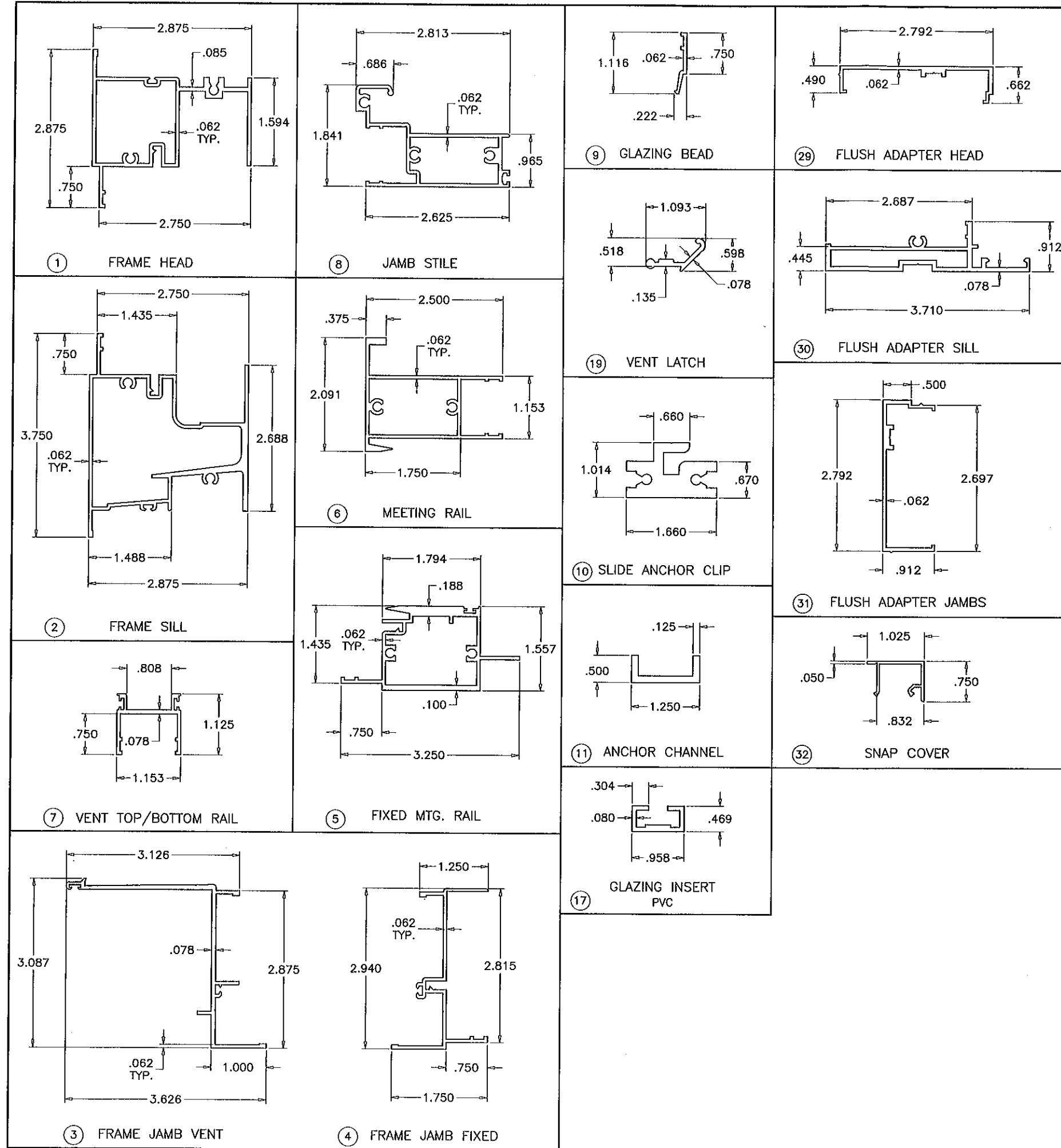
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sheet 7 of 9



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CIVIL
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By *Manuel Piza*
Miami Dade Product Control

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chk. by:	

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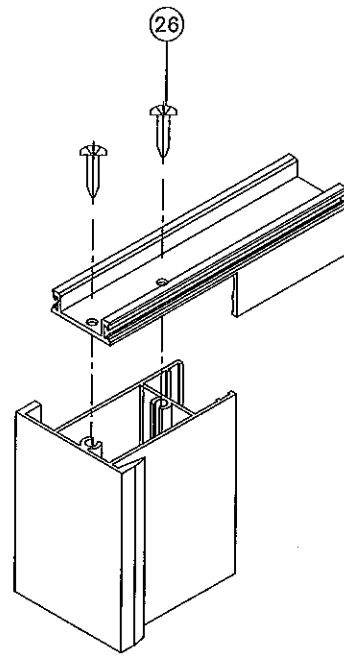
sheet 8 of 9

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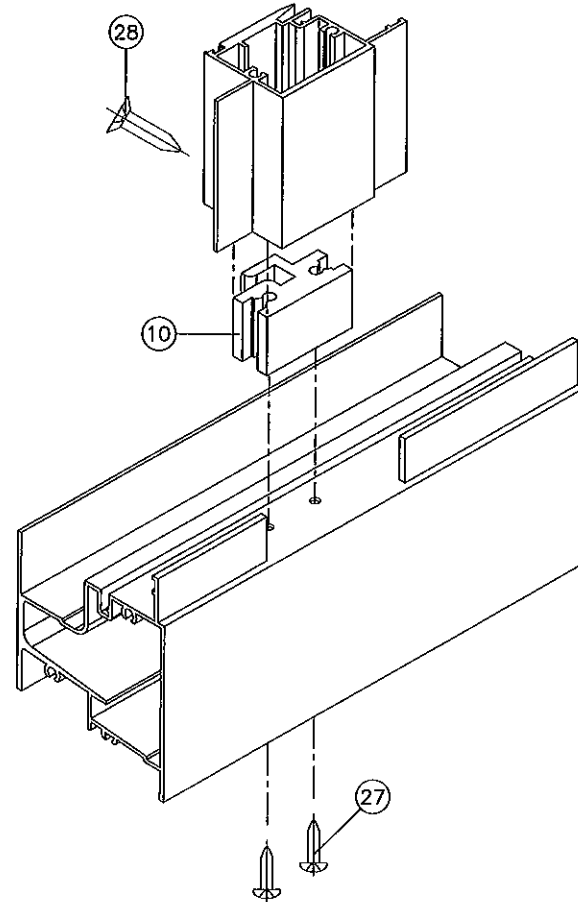
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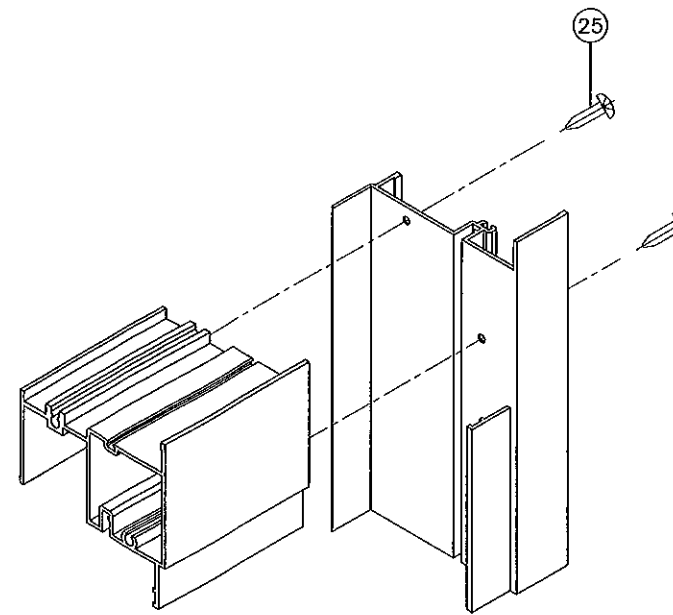
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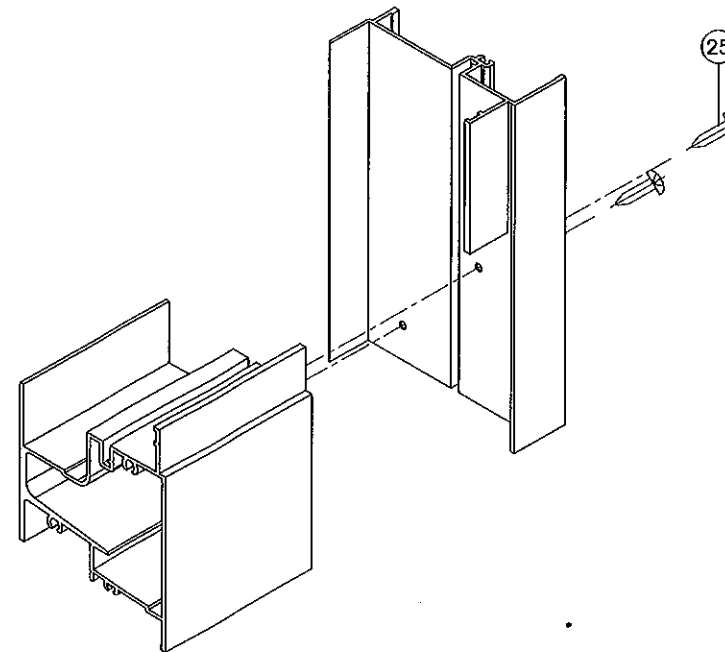
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER



FRAME TOP CORNER



FRAME BOTTOM CORNER

Engr: JAVAD AHMAD
CIVIL
FLA. PE. # 70592
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Miami Dade Product Control

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